

CHIEF OF WASTEWATER ENVIRONMENTAL SERVICES*Class Definition*

Under direction, coordinates, assigns, and directs the laboratory and environmental control activities of the Wastewater Management Division.

Distinguishing Characteristics

Chief of Wastewater Environmental Services is a single position class assigned to the Wastewater Management Division of the Public Works Department. Reporting to the Wastewater Treatment Manager, the incumbent directs, through subordinate laboratory and environmental control personnel, the inspection, collection, and analysis of water from treatment plants, effluent disposal systems, groundwater monitoring wells, and industrial wastewater systems to assure compliance with Federal, State, and local regulations. Work is reviewed through consultation, reports, and results obtained. Chief of Wastewater Environmental Services is distinguished from the class of Laboratory Supervisor in that the incumbent of the latter performs technical work supervising and participating in the laboratory analysis of water and sewage. This class differs from Supervising Environmental Control Officer in that the incumbent of the latter supervises the enforcement of the various wastewater regulations. It differs from Chief of Wastewater Treatment Operations in that the incumbent of the latter directs the operation and maintenance of the Wastewater Treatment Plant's equipment, facilities, and machinery.

Typical Tasks

(The incumbent may not be assigned all duties listed, nor do the examples cover all duties which may be assigned.)

Plans and directs the work of laboratory and environmental control personnel.

Supervises special and difficult chemical analyses of samples of raw and treated sewage, industrial waste, groundwater, and by-products of the treatment process to determine treatment efficiency and effects on environment.

Directs the inspection of pretreatment equipment used at industrial plants, commercial establishments, and public facilities that are connected to the regional wastewater system.

Directs the maintenance of laboratory records and prepares reports as required by Federal and State agencies.

Directs the required tests of domestic water produced and delivered by the City water system.

Determines sampling methods and recommends types of tests to be performed.

Assists the Wastewater Treatment Manager in various administrative, budget, and personnel functions relating to the laboratory and environmental control.

Assists in the maintenance and revision of the Division's revenue program.

Assists in the development of the Division's safety and training programs.

Provides technical advice and recommendations to operations personnel on problems of a joint nature.

Performs related duties as required.

Knowledge, Abilities, and Skills

Considerable knowledge of the principles of organic and inorganic chemistry including qualitative and quantitative analysis.

Considerable knowledge of modern chemical and bacteriological laboratory procedures, techniques, and equipment.

Considerable knowledge of physics, physical chemistry, and microbiology.

Considerable knowledge of Federal, State, and local wastewater codes and related regulations.

Considerable knowledge of the characteristics of commercial and industrial wastewater and the methods of detecting industrial waste components in wastewater.

Considerable knowledge of installations and the methods of operating, and maintaining equipment used for the pretreatment and control of industrial waste prior to its discharge into the wastewater collection system.

Considerable knowledge of flow measurement and related equipment including characteristics and types of weirs and flumes.

Considerable knowledge of inspection methods, sample collection and preservation, chain of custody, testing methods, and the toxic constituents of industrial and commercial wastewater.

Ability to perform research work on problems of a chemical nature.

Ability to plan and direct the work of technical and professional staff and to conduct effective training.

Ability to communicate the objectives of the industrial waste program to representatives of commercial and industrial firms.

Ability to maintain effective working relationships with representatives of industrial and commercial firms, public agencies, employees, and the general public.

Minimum Qualifications

Graduation from an accredited college or university with a Bachelor's Degree in chemistry, microbiology, environmental science, or closely related field, and two years of work experience equivalent to that gained as a Laboratory Supervisor or Supervising Environmental Control Officer with the City of Fresno.

Necessary Special Requirements

Possession of a valid California Driver's License at the time of appointment.

Valid California Water Pollution Control Association Grade IV Certification as either an Industrial Waste Inspector or Laboratory Analyst is desirable.

APPROVED: _____
Director of Personnel

DATE: _____

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